



Docket No. 125855-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hartle, et al.

Serial No.: 10/667,265

Filing Date: September 19, 2003

For: UNDERHOOD COMPONENTS

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Group Art Unit: 1713

Examiner: Cheung

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22312-1450

Sir:

In compliance with the duty to disclose, submitted herewith is form PTO-A820 (PTO-1449) listing publication(s) of which those designated by 37 CFR § 1.56 are aware. Copies of the non-United States patents or published applications are enclosed.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or an admission that the information cited is, or is considered to be, material to patentability.

Respectfully submitted,

CANTOR COLBURN LLP

04/05/2004 JADD01 00000030 070862 10667265

01 FC:1806 180.00 DA

By:

Patricia S. DeSimone

Patricia S. DeSimone
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Date: March 31, 2004
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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
125855-2

In Re Application: Hartle, et al.

Serial No.

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Group Art Unit

1713

UNDERHOOD COMPONENTS



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Patricia S. DeSimone
Signature

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Dated: March 31, 2004

CC:

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
125855-2

In Re Application Of: **Hartle, et al.**

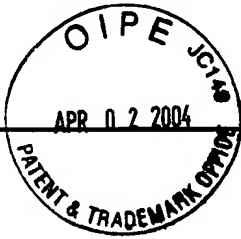
Serial No.
10/667,265

Filing Date
September 19, 2003

Examiner
Cheung

Group Art Unit
1713

Title: **UNDERHOOD COMPONENTS**



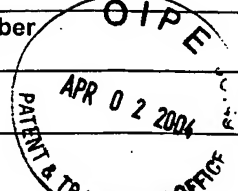
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37 CFR 1.97(b)

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☒ the fee set forth in 37 CFR 1.17(p).

PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT <u>LIST OF ITEMS</u> (Use several sheets if necessary)	Attorney's Docket Number 125855-2	Serial Number 10/667,265	
Name of Applicant Hartle, et al.		Filing Date September 19, 2003	Group 1713

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	NAME	Class	Subclass	Filing Date If Appropriate
	3,195,868	07/20/65	Loomans, et al.			
	4,239,673	12/16/80	Lee, Jr.			
	4,242,263	12/30/80	Lee, Jr.			
	4,299,757	11/10/81	Kuribayashi, et al.			
	4,373,064	2/8/83	Bennett, Jr. et al.			
	4,383,082	5/10/83	Lee, Jr.			
	4,460,743	7/17/84	Abe, et al.			
	4,480,057	10/30/84	Sano			
	4,559,262	12/17/85	Cogswell, et al.			
	4,565,684	1/21/86	Tibbetts, et al.			
	4,569,923	2/11/86	Knudson, Jr, et al.			
	4,572,813	2/25/86	Arakawa			
	4,584,334	4/22/86	Lee, Jr. et al.			
	4,628,072	12/9/86	Shiraki, et al.			
	4,663,230	5/5/87	Tennent			
	4,664,842	5/12/87	Knudson, Jr. et al.			
	4,713,416	12/15/87	Del Giudice et al.			
	4,752,135	6/21/88	Loomans			
	4,764,559	8/16/88	Yamauchi et al.			
	4,772,657	9/20/88	Akiyama et al.			
	4,816,289	3/28/89	Komatsu et al.			
	4,863,997	9/5/89	Shibuya et al.			
	4,876,078	10/24/89	Arakawa, et al.			
	4,892,904	1/9/90	Ting			
	4,962,148	10/9/90	Orikasa, et al.			
	4,985,495	1/15/91	Nishio, et al.			

EXAMINER	DATE CONSIDERED
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	NAME	Class	Subclass	Filing Date If Appropriate
	4,990,558	2/5/91	DeNicola, Jr. et al.			
	4,994,508	2/19/91	Shiraki, et al.			
	5,024,818	6/18/91	Tibbetts, et al.			
	5,056,029	10/8/91	Cannon			
	5,061,753	10/29/91	Maruyama, et al.			
	5,071,911	12/10/91	Furuta, et al.			
	5,071,912	12/10/91	Furuta, et al.			
	5,075,376	12/24/91	Furuta, et al.			
	5,079,295	1/7/92	Furuta, et al.			
	5,081,187	1/14/92	Maruyama, et al.			
	5,086,112	2/4/92	Togo, et al.			
	5,106,696	4/21/92	Chundury, et al.			
	5,110,501	5/5/92	Knudson, Jr. et al.			
	5,124,410	6/23/92	Campbell			
	5,132,363	7/21/92	Furuta, et al.			
	5,149,740	9/22/92	Maruyama, et al.			
	5,159,004	10/27/92	Furuta, et al.			
	5,160,454	11/3/92	Knudson Jr., et al.			
	5,162,433	11/10/92	Nishio, et al.			
	5,162,435	11/10/92	Shibuya, et al.			
	5,162,440	11/10/92	Akkapeddi, et al.			
	5,165,909	11/24/92	Tennent, et al.			
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	5,166,264	11/24/92	Lee, Jr. et al.			
	5,182,151	1/26/93	Furuta, et al.			
	5,191,024	3/2/93	Shibata, et al.			
	5,206,281	4/27/93	Furuta			
	5,262,477	11/16/93	Kasai, et al.			
	5,268,425	12/7/93	Furuta, et al.			
	5,272,208	12/21/93	Shiraki, et al.			
	5,272,209	12/21/93	Shiraki, et al.			
	5,278,220	1/11/94	Vermeire, et al.			
	5,286,791	2/15/04	DeNicola, Jr., et al.			
	5,290,856	3/1/94	Okamoto, et al.			
	5,296,540	3/22/94	Akiyama, et al.			
	5,304,593	4/19/94	Nishio, et al.			
	5,321,081	6/14/94	Chundury, et al.			
	5,369,173	11/29/94	Furuta			
	5,370,813	12/6/94	DeNicola, Jr., et al.			
	5,397,822	3/14/95	Lee, Jr.			
	5,402,333		Cardner			
	5,405,902	4/11/95	Nishio, et al.			
	5,418,287	5/23/95	Tanaka, et al.			
	5,424,360	6/13/95	Nagaoka, et al.			
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U.S. PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	NAME	Class	Subclass	Filing Date If Appropriate
	5,428,091	6/27/95	Abe, et al.			
	5,461,111	10/24/95	Modic, et al.			
	5,473,015	12/5/95	DeNicola, Jr. et al.			
	5,494,962	2/27/96	Gauthy, et al.			
	5,502,102	3/26/96	Nazareth			
	5,530,052		Takekoshi, et al.			
	5,546,564	8/13/96	Horie			
	5,550,746		Jacobs			
	5,589,152	12/31/96	Tennent, et al.			
	5,591,382	1/7/97	Nahass, et al.			
	5,612,401	3/18/97	Brown, et al.			
	5,648,424	7/15/97	Miwa, et al.			
	5,686,528	11/11/97	Wills, et al.			
	5,698,632	12/16/97	Brown, et al.			
	5,705,556	1/6/98	Djiauw, et al.			
	5,719,236	2/17/98	Brown, et al.			
	5,723,551	5/3/98	Brown, et al.			
	5,773,502	6/3/98	Takekoshi, et al.			
	5,777,028	7/7/98	Okada, et al.			
	5,780,376	7/14/98	Gonzales, et al.			
	5,902,850	5/11/99	Chino, et al.			
	5,932,159	8/3/99	Rauwendaal			
	5,998,029	12/7/99	Adzima, et al.			
	6,005,050	12/21/99	Okada, et al.			
	6,013,726	1/11/00	Nakano, et al.			
	6,031,049	2/29/00	Chino, et al.			
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U.S. PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	NAME	Class	Subclass	Filing Date If Appropriate
	6,036,765	3/14/00	Farrow, et al.			
	6,045,883	4/4/00	Akiyama, et al.			
	6,057,401	5/2/00	Modic			
	6,116,770	9/12/00	Kiani, et al.			
	6,228,903	5/8/01	Beall, et al.			
	6,258,453	7/10/01	Montsinger			
	6,258,881	7/10/01	Moritomi			
	6,262,162	7/17/01	Lan, et al.			
	6,300,417	10/9/01	Sue, et al.			
	6,308,142	10/23/01	Choate, et al.			
	6,495,630	12/17/02	Adedeji, et al.			
	6,509,412	1/21/03	Hall			
	6,627,701	9/30/03	Adedeji, et al.			
	6,660,794	12/9/03	Adedeji, et al.			
	6,538,056	3/25/03	Webster			
	2002/0023845	2/28/02	Ding, et al.			
	2002/0137840	9/26/02	Adedeji, et al.			
	2002/0156182	10/24/02	Adedeji, et al.			
	2002/0165317	11/7/02	Adedeji, et al.			
	2003/0181587	9/25/03	Sasagawa, et al.			
	2003/0036602	2/20/03	Adedeji, et al.			
	2003/0171877	9/11/03	Adedeji, et al.			
	2003/0106294	6/12/03	Chung, et al.			
	2003/0060543	5/27/03	Seip, et al.			
	4,945,018	7/31/90	Abolins, et al.			
	4,972,021	11/20/90	Lee, Jr.			
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FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	COUNTRY	Class	Subclass	TRANSLATION YES NO
	GB 1559262	20.12.97	United Kingdom			
	EP 412 787	13.02.91	Europe			
	EP 326 895	23.05.90	Europe			
	EP 765 914	19.05.95	Europe			
	EP 1029876	13.09.99	Europe			
	EP 0 697 422	28.07.95	Europe			
	EP 0 732 369	05.03.96	Europe			
	EP 0 747 438	06.06.96	Europe			
	EP 0 755 980	12.07.96	Europe			
	EP 0 765 917	25.09.96	Europe			
	WO 90/05759	31.05.90	PCT			
	WO 91/05016	18.04.91	PCT			
	WO 02/057364	25.07.02	PCT			
	WO 00/78540	28.12.00	PCT			

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OTHER INFORMATION (including author, title, date, pertinent)			
✓	TUFTEC H1043 Technical Bulletin, 16 Dec 1999, ASAHI CHEMICAL INDUSTRY CO., LTD., pages 1-5		
✓	TUFTEC P-Series High Performance Thermoplastic Elastomer, pages 1-2. < http: www.asahi-kasei.co.jp/plastic/e/technical/br/p-series.htm >		
	M. K. Akkapeddi and B. VanBuskirk, Adv. Polym. Technol. (1992), volume 11, number 4, pages 263-275.		
	G.-X. Wei, H.-J. Sue, J. Chu, C. Huang, and K. Gong, Antec '99 Conference Proceedings, (1999), pages 3443-3447.		
	P.C. LeBaron, A. Wang, and T. J. Pinnavaia, Applied Clay Science (1999), volume 15, pages 11-29 "Polymer-layered silicate nanocomposites: an overview"		
✓	G.E.P. Box, W.G. Hunter, and J.S. Hunter, "Statistics for Experiments; An Introduction to Design, Data Analysis, and Model Building", New York: Wiley-Interscience (1978), pages 306-344		
✓	C.L. Agreda and V. H. Agreda, "Designing Mixture Experiments", CHEMTECH (1989), Volume 19, no. 9, pages 573-5.		
✓	E.J. Taylor, "A Mixture Experiment Approach to the Formulation of an SMC Low Profile Resin System:", Polym.-Plast. Technol. Eng. (1984), volume 22, No. 1, pages 1-13.		
✓	E.E. Harrington, Jr., "The Desirability Function", Industrial Quality Control, vol. 21, no. 10, pp. 494-498, (1965)		
✓	G. Derringer and R. Suich, "Simultaneous Optimization of Several Response Variables", Journal of Quality Technology, vol. 12, no. 4, pp. 214-219 (1980)		
✓	A.I. Khuri and M. Conlon, "Simultaneous Optimization of Multiple Responses Represented by Polynomial Regression Functions:", Technometrics, vol. 23, no. 4, pp. 363-375 (1981)		
	J.J. Pignatiello "Strategies for Robust Multiresponse Quality Engineering:", IIE Transactions, vol. 25, no. 3, pp. 5-15 (1993)		
	J.L. Ribiero and E. A. Elsayed, "A Case Study on Process Optimization Using the Gradient Loss Function", International Journal of Production Research, vol. 33, no. 12, pp. 3233-3248 (1995)		
✓	E. DelCastillo, D. C. Montgomery and D. R. McCarville, "Modified Desirability Functions for Multiple Response Optimization", Journal of Quality Technology, vol. 28, no. 3, pp. 337-345 (1996)		
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		Filing Date September 19, 2003	Group 1713
OTHER INFORMATION (including author, title, date, pertinent)			
✓	Derwent Abstract for JP05-295184. Accession Number: 1993-392816. Date 1993.11.09		
✓	Derwent Abstract for JP 06-009828. Accession Number 1994-054017. Date 1994.01.18		
✓	Derwent Abstract for JP06-016924. Accession Number 1994-062151. Date 1994.01.25		
✓	JP06-057008. Publication Date 01.03.1994. Abstract only		
✓	Derwent Abstract for JP06-057130. Accession Number 1994-106975. Date. 1994.03.01		
✓	Derwent Abstract for JP06-136202. Accession Number 1994-197261. Date. 1994.05.17		
✓	Derwent Abstract for JP07-003083. Accession Number 1995-078140. Date. 1995.01.06		
✓	Chemical Abstracts for JP07165998. Accession Number 1995:785436. Date. 1995.06.27		
✓	Chemical Abstracts for JP 07166026. Accession Number 1995:823588. Date. 1995.06.27		
✓	Derwent Abstract for JP 07-304908. Accession Number 1996-035970. Date 1995.11.21		
✓	Derwent Abstract for JP 09-316322. Accession Number. 1998-082841. Date. 1997.12.09		
✓	Derwent Abstract for JP 11-060836. Accession Number. 1999-232740. Date. 1999.03.05		
	Derwent Abstract for JP 2000-426148. Accession Number 2000-426148. Date. 2000.05.26		
✓	Chemical Abstract for JP 2003277555. Accession Number 2003:767908. Date. 2003.10.02		
✓	JP2003-277555. Publication Date. 10/02/2003. Abstract Only.		
✓	JP2000143891. Publication Date 2000-05-26		
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OTHER INFORMATION (including author, title, date, pertinent)			
✓	JP52094519. Publication Date 1977-08-09. Abstract Only		
✓	Derwent Abstract for JP 58-93730. Accession Number 1983-7082754. Date 1983.06.03		
✓	Derwent Abstract for 63-113047. Accession Number 1988-295269. Dated 18 May 1988		
✓	Derwent Abstract for 63-113049. Accession Number 1988-177758. Date 1988.05.18		
✓	Derwent Abstract for 63-113050. Accession Number 1988-177759. Date. 1988.05.18		
✓	Derwent Abstract for 01-098647. Accession Number 1989-156118. Date 1989.04.17		
✓	Chemical Abstract for JP03181555. Accession Number 1992:409126. Date 1991.08.07		
✓	Chemical Abstract for JP03185058. Accession Number 1992:7463. Date 1991.08.13		
✓	Chemical Abstract for JP 03231962. Accession Number: 1992:409106. Date 1991.10.15		
✓	Derwent Abstract for JP03-259941. Accession Number: 1992-011372. Date. 1991.11.20		
✓	Derwent Abstract for JP04-007357. Accession Number 1992-061587. Date 1992.01.10		
✓	Derwent Abstract for JP04-028739. Accession Number 1992-085306. Date 1992.01.31		
✓	Derwent Abstract for JP04-028740. Accession Number 1992-085307. Date 1992.01.31		
✓	Chemical Abstract for JP04183748. Accession Number 1993:214261. Date 1992.06.30		
✓	Derwent Abstract for JP04-279697. Accession Number 1992-378284. Date 1992.10.05		
✓	Derwent Abstract for JP04-293942. Accession Number 1992-394620. Date 1992.10..19		
✓	Derwent Abstract for JP05-070679. Accession Number 1993-137105. Date. 1993.03.23		
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